

DETROIT DIESEL CORPORATION
SPARK IGNITED-NATURAL GAS ENGINES

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COMMON TECHNOLOGY

LEAN BURN COMBUSTION TECHNOLOGY-LEAN BURN

HIGH ENERGY IGNITION SYSTEM

DDEC ELECTRONIC CONTROLS

SPARK TIMING

THROTTLE CONTROL

DDC ELECTRONIC FUEL SYSTEM

CONTROL OF FUEL FLOW

AIR/FUEL RATIO

FULL DDEC ELECTRONIC ENGINE PROTECTION

TURBOCHARGER WITH INTERNAL TURBINE WASTEGATE

AIR TO AIR CHARGE COOLING

10:1 COMPRESSION RATIO

DETROIT DIESEL CORPORATION
SPARK IGNITED-NATURAL GAS ENGINES
SERIES 30G

JOINT DDC/NAVISTAR ENGINE PROGRAM

NAVISTAR BRANDS AS THE T-444NG

DDC BRANDS AS THE SERIES 30G

***NAVISTAR HAS EXCLUSIVITY FOR
NAVISTAR/FORD***

***DDC HAS MARKETING RIGHTS FOR ALL
OTHER APPLICATIONS***

DETROIT DIESEL CORPORATION
SPARK IGNITED-NATURAL GAS ENGINES

SERIES 30G Specifications

ENGINE TYPE	4 CYCLE DEDICATED NATURAL GAS CNG/LNG
CONFIGURATION	OHV-V8
DISPLACEMENT	444 CU. IN. 7.3L
IGNITION	HIGH ENERGY SPARK IGNITION
BORE AND STROKE	4.1 X 4.18 IN. (104.3 X 106.1 MM)
ASPIRATION	TURBOCHARGED & THROTTLE AIR CONTROLLED
COMPRESSION RATIO	10:1
FUEL CONTROL	ELECTRONIC CONTROL
RATED POWER @ 2400 RPM	210 BHP

SERIES 30G CONT.

PEAK TORQUE @ 1500RPM	485 LB-FT
ROTATION (FRONT)	CLOCKWISE
TOTAL ENGINE WT. (DRY)	940 LBS
APPLICATION	STREET SWEEPER,BUS, TRUCK,STATIONARY

DETROIT DIESEL CORPORATION
SPARK IGNITED-NATURAL GAS ENGINES

SERIES 50G Specifications

ENGINE TYPE	4 CYCLE DEDICATED NATURAL GAS CNG/LNG
CONFIGURATION	INLINE 4 CYLINDER OHV
DISPLACEMENT	519 CU. IN. (8.5 LITRES)
IGNITION	HIGH ENERGY SPARK IGNITION
BORE AND STROKE	5.12 IN. X 6.3 IN.. (130 MM X 160 MM)
ASPIRATION	TURBOCHARGED & THROTTLE AIR CONTROLLED
COMPRESSION RATIO	10:1
FUEL CONTROL	ELECTRONIC CONTROL
RATED POWER @ 2400 RPM	275 BHP (TRANSIT BUS) 300 BHP (GEN SET)

SERIES 50G CONT.

PEAK TORQUE @ 1200-1500 RPM	880 LB-FT (TRANSIT BUS)
ROTATION (FRONT)	CLOCKWISE
TOTAL ENGINE WT. (DRY)	2230 LBS
APPLICATION	URBAN BUS, GEN SET TRUCK, STATIONARY

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SPARK IGNITED-NATURAL GAS ENGINES

SERIES 60G Specifications

ENGINE TYPE	4 CYCLE DEDICATED NATURAL GAS CNG/LNG
CONFIGURATION	INLINE 6 CYLINDER OHV
DISPLACEMENT	778 CU. IN. (12.7 LITRES)
IGNITION	HIGH ENERGY SPARK IGNITION
BORE AND STROKE	5.12 IN. X 6.3 IN.. (130 MM X 160 MM)
ASPIRATION	TURBOCHARGED & THROTTLE AIR CONTROLLED
COMPRESSION RATIO	10:1
FUEL CONTROL	ELECTRONIC CONTROL
RATED POWER @ 2400 RPM	450 BHP

SERIES 60G CONT.

PEAK TORQUE @ 1200-1500 RPM	1450 LB-FT
ROTATION (FRONT)	CLOCKWISE
TOTAL ENGINE WT. (DRY)	2610 LBS
APPLICATION	TRUCK, GEN SET

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SPARK IGNITED-NATURAL GAS ENGINES

ALTERNATIVE FUEL ENGINES UNDER DEVELOPEMENT

SERIES 50G SPARK IGNITED BUS LPG BUS ENGINE

SERIES 60G SPARK IGNITED NATURAL GAS TRUCK ENGINE

SERIES 50G & SERIES 60G LOW PRESSURE SPARK IGNITED NATURAL GAS ENGINES FOR STATIONARY APPLICATIONS